

Claims

1. A functional cover for connecting to a mobile communication device and comprising an accelerometer for measuring movement  
5 of said functional cover and providing a movement signal, a memory for storing an instruction set, and a processor for selecting an instruction from said instruction set in said memory in accordance with said movement signal.
- 10 2. A functional cover according to claim 1, wherein said accelerometer comprises a first sensor measuring movement along a first axis aligned longitudinally to said functional cover and a second sensor measuring movement along a second axis perpendicular to said first axis.
- 15 3. A functional cover according to claim 2, wherein said accelerometer comprises a third sensor measuring movement along a third axis perpendicular to said first and second axis.
- 20 4. A functional cover according to any of claims 1 to 3, wherein said memory comprises flash memory capacity.
5. A functional cover according to any of claims 1 to 4, wherein said processor comprises a micro-controller.
- 25 6. A functional cover according to any of claims 1 to 5, wherein said processor connecting to said memory through a high-speed data carrying bus.
- 30 7. A functional cover according to any of claims 1 to 6, wherein said processor comprising an interface element for controlling communication between said functional cover and a

mobile communication device in accordance with a communication protocol.

8. A functional cover according to any of claims 1 to 7,  
5 wherein said instruction set comprising internal or external operation system instructions, application instructions or any combination thereof.

9. A functional cover according to any of claims 1 to 8,  
10 wherein said instruction set comprising cursor operations such as up, down, left, and/or right.

10. A functional cover according to any of claims 1 to 9,  
wherein said functional cover is adapted to control sound  
15 applications in accordance with movement of the functional cover.

11. A functional cover according to any of claims 1 to 10,  
wherein said functional cover is adapted to generate a sound in  
20 accordance with movement of the functional cover.

12. A functional cover according to any of claims 1 to 11,  
further comprising a synthesizer for generating an electrical  
audio signal in accordance with said movement signal and a  
25 loudspeaker unit adapted to receive said electrical audio signal and generate a sound in accordance herewith.

13. A functional cover according to claim 12, wherein said  
synthesizer is operable to generate a control signal  
30 and wherein said loud speaker unit comprising an amplifier for amplifying said electrical audio signal and adapted to receive said control signal.

14. A functional cover according to claim 13, wherein said control signal is operable to control frequency, clang, tone, pitch, loudness, volume, treble, and/or bas of said electrical audio signal.

5

15. A functional cover according to claim 12, wherein said processor is incorporated in said synthesizer.

16. A functional cover according to claim 12, wherein said  
10 memory is incorporated in said synthesizer.

17. A mobile communication device comprising connector means for connecting to a functional cover according to claim 1.